



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

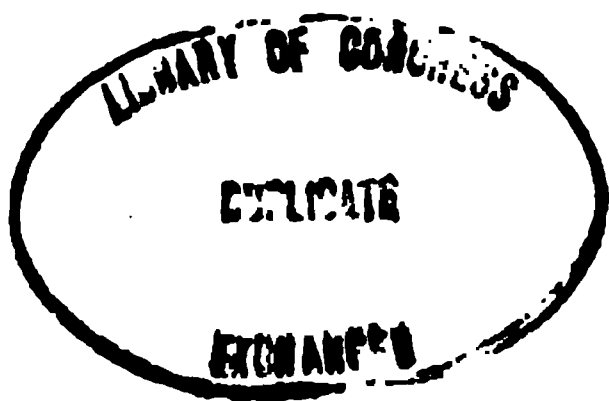
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



11/11/11
VAA

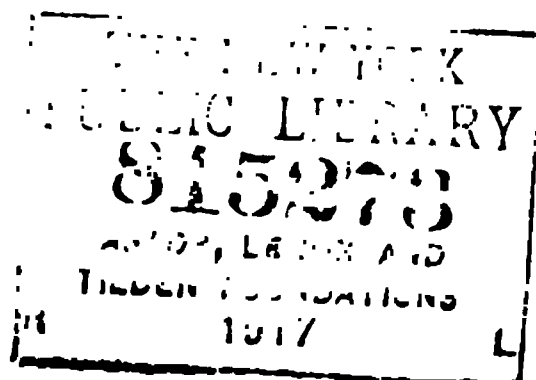
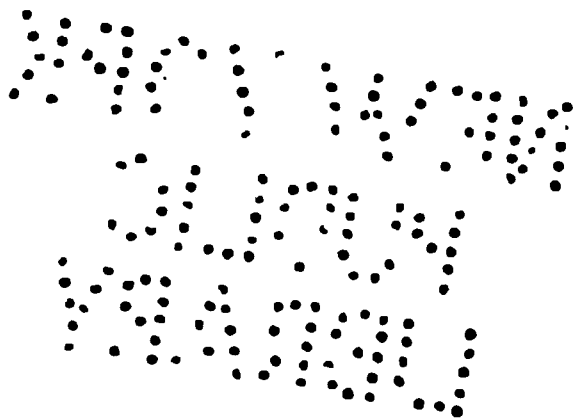
THE ILLUSTRATED
Naval and Military
MAGAZINE.

*A Monthly Journal devoted to all subjects connected with
Her Majesty's Land and Sea Forces.*

New Series, Vol. II.

PRINTED AND PUBLISHED BY
W. H. ALLEN & CO., 13 WATERLOO PLACE, PALL MALL. S.W.

1889.



LONDON :

PRINTED BY W. H. ALLEN AND CO., 13 WATERLOO PLACE,
PALL MALL. S.W.

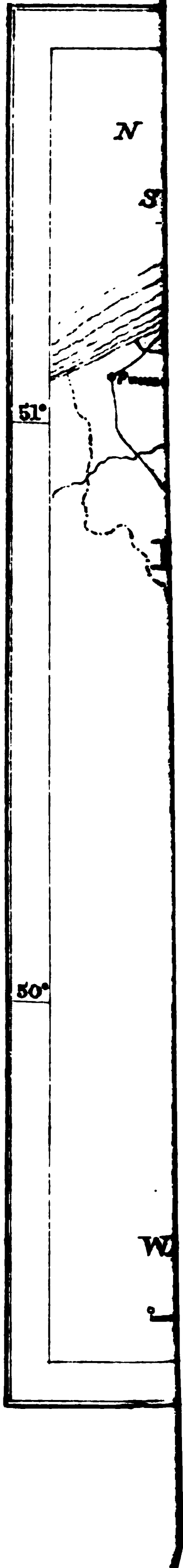
By transfer

OCT 26 1915

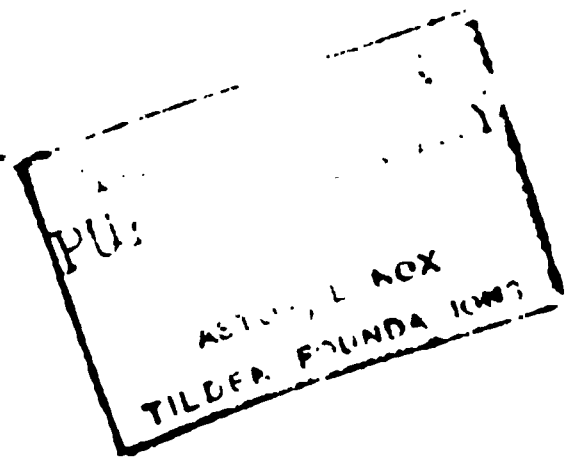
INDEX TO VOL. II. NEW SERIES.

	PAGE
B.	
Bersaglieri, The - - - - -	820
Brigadier-Generals of Volunteer Infantry:—	
Humphery, Sir W. H. Bart., C.B. - - - - -	1121
Macdonald, Right Hon. J. H. A., C.B. - - - - -	641
Sandwich, Right Hon. the Earl of - - - - -	961
Wantage, Right Hon. Lord - - - - -	801
C.	
Campaign of 1815. By W. O'Connor Morris - - - - -	803, 987
Canada, Future of. By James W. Bell - - - - -	836
Canalization of the Thames and Defence of London - - - - -	1261
Captain and Detective. By Sir L. Smith-Gordon, Bart. - - - - -	1048
Chilian Armour-clad, A - - - - -	1264
Corps of Royal Engineers - - - - -	760
D.	
Delhi, Reminiscences of Siege of. By Major-General Webber D. Harris - - - - -	1066, 1206
Devonport and Plymouth - - - - -	1013
Dying Warrior, The, from the Swedish of Runeberg - - - - -	1044
E.	
Easter Review, At the. By A. M. Horwood - - - - -	695
F.	
French Army and the Revolution of 1789 - - - - -	706
„ Ironclad, <i>Formidable</i> - - - - -	788
„ Movable Batteries - - - - -	1104
I.	
Infantry. By Capt. H. R. Gall - - - - -	1223
J.	
Jottings from Foreign Magazines - - - - -	940, 1230
K.	
King, The, from the Swedish of Runeberg - - - - -	724

	M.	PAGE
Maddalena, La	- - - - -	986
Major and his Orderly, The	- - - - -	1227
March in India, On the. By Major Preston	- - - - -	647
Market Place, In the	- - - - -	882
Mayne Reid, Captain. By his Widow	- - - - -	1142
Military Changes in 1888. By the Editor	- - - - -	888
Military Problems	- - - - -	793
	N.	
Naval and Military Subjects of the Season	- - - - -	1085
Naval Warfare, I. By Admiral P. H. Colomb	- - - - -	963, 1123
New English Art Club, Notes at	- - - - -	915
Nile Expedition in 1884-85. By Major Lawson, R.E.	- - - - -	770, 873
Notes	- - - - -	954
	P.	
Patents, List of Military	- - - - -	1270
Play, At the	- - - - -	796, 951, 1114, 1274
Pola. By the Editor	- - - - -	1179
	R.	
Rambler Papers, XVII., XVIII.	- - - - -	676
Range-Finding. By Capt. W. Verner, R.B.	- - - - -	1160
Reviews	- - - - -	794, 947, 1111, 1271
Rolling Commission, A. By G. A. Patterson, R.N.	- - - - -	740, 859
	S.	
Sabre, The, III. By G. W. Barroll	- - - - -	728
Sikkim Expedition, from a Musketry Point of View. By Captain H. O. Wylly	- - - - -	702
Spanish Exhibition, The	- - - - -	1241
Staff College Student. By G.	- - - - -	938
Summary of Articles in Foreign Service Magazines	- - - - -	798, 957, 1118
	V.	
Vesuvius, U. S. Cruiser	- - - - -	923
Volunteer Notes	- - - - -	927, 1098, 1277
	W.	
Wanderings of a War Artist. By Irving Montagu	- - - - -	895, 1027, 1185
Whale-Fishing in the North	- - - - -	767
	Z.	
Zambesi, The River. By Captain Berkeley, R.N.	- - - - -	1106



THE NEW YORK
PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
1904



way authorities may indeed claim to be looked upon as being among the very best friends and active supporters of the Volunteer movement.

Our notes this month have been advisedly somewhat introductory, but in the next and succeeding issues of the *Illustrated Naval and Military Magazine* the news of the preceding month only will be dwelt upon, together, of course, with comments on such correspondence as may reach us from those taking an interest in this attempt to give the Magazine an additional hold upon public favour.



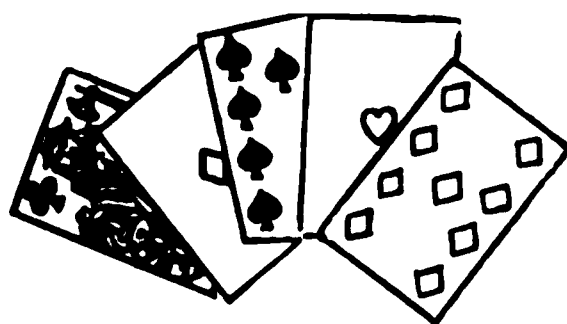
11

12

IV.

Problems in fortification without a hitch
I can work out, and design a "redoubt," a "ditch,"
Even a fortress ("polygonal") out o' which
Guns fire from "embrasures," or "terreplein";
Yet, all the same, I do not mind confiding
That somehow on "Drag-days" you'll see me out riding,
And on guest-nights perhaps at a "sing-song" presiding—
Still—I'm a sealed-pattern Staff College man!

G.



the famous lines of Tchataldja, and the third by the detached forts around Constantinople itself. Both Adrianople and Erzeroum have been converted into first class fortresses and entrenched camps, provided with every appliance of modern warfare ; and it is stated that the Bosphorus itself is defended by no less than 300 guns of Krupp's manufacture. To resume, concludes the writer, nearly the whole of the able-bodied Turkish population has received military training with the least possible strain on the finances ; the army has been increased and provided with a well-instructed corps of officers and competent generals ; a system of mobilization with decentralization has been inaugurated ; the army has been furnished with a rifle superior to that possessed by the Russians ; the cavalry increased sufficiently to enable it to meet the latter in the field ; and a wide extension of the railway system has been begun ; in short, the army of a great power, in the modern sense of the word, has been called into existence.



THE ILLUSTRATED
Naval and Military
MAGAZINE.

*A Monthly Journal devoted to all subjects connected with
Her Majesty's Land and Sea Forces.*

New Series. Vol. I.

PRINTED AND PUBLISHED BY
W. H. ALLEN & CO., 13 WATERLOO PLACE, PALL MALL. S.W.

1889.

LONDON

DESIGNED BY W. E. ALLEN AND J. L. WATKINS, PLANE
TABLE ENGINEERS.

whilst 53,714 men purchased Bibles and Prayer Books in twenty-three languages in the last nine years. During last year 10,090 ships and fishing vessels took libraries to sea in boxes or bags for the use of their crews. Sailors and fishermen show their appreciation of these efforts by themselves taking part in the Missions to Seamen, by subscribing to the erection of special churches and institutes, and by contributing to the offertories at the services, as much as £130 a year at some ports. But the ships in many seaports are still unvisited by clergymen, and the Committee are unable to meet the demands pressed upon them by seamen and their local friends for chaplains and readers to care for the crews frequenting several ports at home and abroad."



INDEX TO VOL. I. NEW SERIES.

	PAGE
A.	
Abinger, C.B., Lieut.-General Lord	481
At the Play	155, 310, 472, 637
B.	
Book of Famous Duels. By the Editor	105
Brothers, The. From the Swedish of J. L. Runeberg	422
C.	
Colomb, Rear-Admiral P. H.	1
Correspondence	638
D.	
Double Compartment, The. By Percy Groves	78
Drill and Customs of the British Army under George I. By Col. W. W. Knollys	67
G.	
Great Britain's Horse Supply. By W. A. Kerr, V.C.	514
Gruson's Armoured Turrets	628
<i>Gymnote</i> , French Submarine Boat	301
H.	
Hanoverian Cavalry, The	426
Historical Panics and Early Volunteers. By Captain Gall	3
I.	
Indian Horse Supply. By W. A. Kerr, V.C.	355
<i>Irene</i> , Iron-clad Corvette	147
J.	
Jottings from Bechuanaland. By Lieutenant T. B. Fraser, R.A.	186
K.	
Krupp Artillery, The. By C. J. L'Estrange	575
L.	
Lagoon Companies of the 4th Engineers at Venice	441
Loss of Life at Sea. By Captain Berkeley, R.N.	468

	PAGE
M.	
MacGregor, Sir Chas., K.C.B. By Captain S. P. Oliver, R.A. - - -	161
McCormick, R.N., Deputy Surgeon-General - - -	607
Military Problems - - - - -	148, 305, 468, 631
Moltke, New Life of - - - - -	598
N.	
New Guinea. Some Unscientific Notes by Lieutenant W. O. Story, R.N. -	180
Nile Expedition in 1884-85. By Major Lawson, R.F. - - -	399, 551
Notes * - - - - -	150, 317, 478
O.	
Old Plucky. From the Swedish of J. L. Runeberg - - -	603
Overland Route to Burmah. By Major-General J. J. H. Gordon, C.B. -	187
P.	
Paskiévitich. By the Editor - - - - -	321
R.	
Railway to Samarcand; its Rapid Construction - - - - -	260
Rambler Papers, The - - - - -	87, 217, 433, 612
Read, Mr. Geo., R.N. Naval Biography - - - - -	275
Reviews - - - - -	152, 307, 635
Ride in Asia Minor, A. By Admiral Ingram - - - - -	201, 338
Rolling Commission. By G. A. Patterson, R.N. - - - - -	443, 496
S.	
Sabre, The. By G. W. Barroll - - - - -	380, 536
Sheridan, General. By W. O'Connor Morris - - - - -	483
Sikkim Expedition. By Captain H. C. Wylly - - - - -	26
Soldier's Dress. By Andrew Sibbald - - - - -	297
Sourian Turret, The - - - - -	145
St. Vincent and Nelson from a French Point of View. By Captain T. S. Gooch, R.N. - - - - -	117, 230
Stuart Exhibition, The - - - - -	463
Summaries of Articles in Foreign Magazines - - - - -	159, 314, 475, 639
Sweyn Turtle. From the Swedish of J. L. Runeberg - - - - -	103
T.	
Troopship Romance, A. By Captain Erroll, R.N. - - - - -	242
Two Dragoons, The. From the Swedish of J. L. Runeberg - - - - -	265
Two Military Executions - - - - -	269
W.	
Wanderings of a War Artist. By Irving Montagu - - - - -	46, 280

NEW YORK
1911

JOHN A. LENOX
NEW FOUNDATIONS

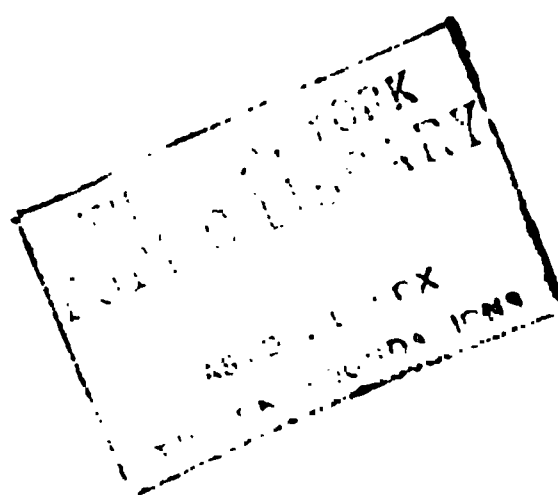
THE ILLUSTRATED
Naval and Military
MAGAZINE.

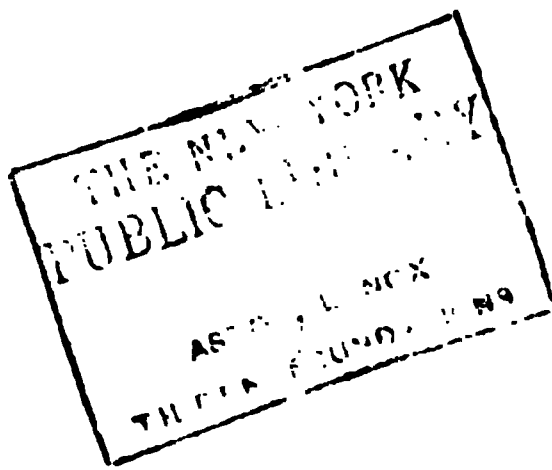
*A Monthly Journal devoted to all subjects connected with
Her Majesty's Land and Sea Forces.*

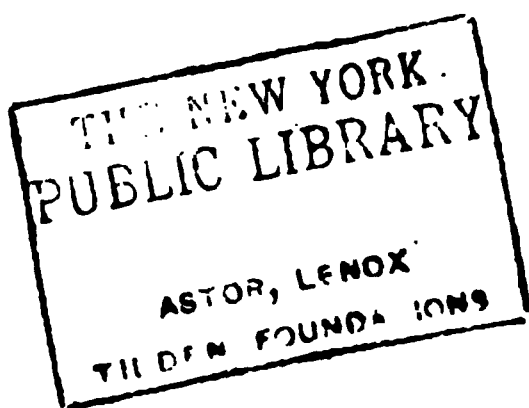
New Series, Vol. II., No. 7.

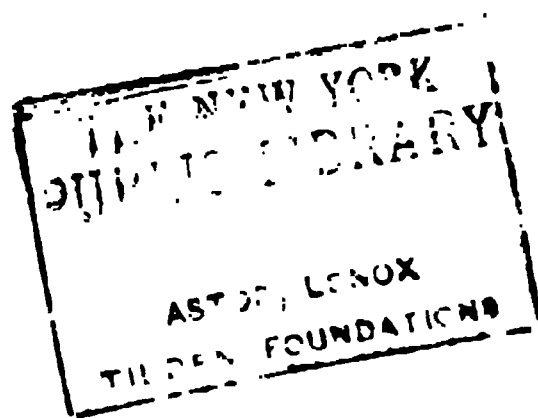
PRINTED AND PUBLISHED BY
W. H. ALLEN & CO., 13 WATERLOO PLACE, PALL MALL. S.W.

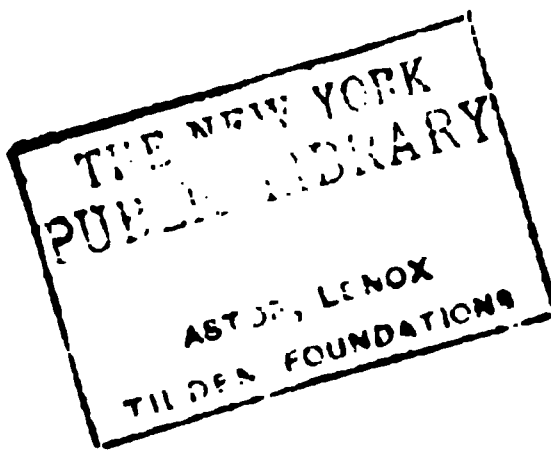
1889.



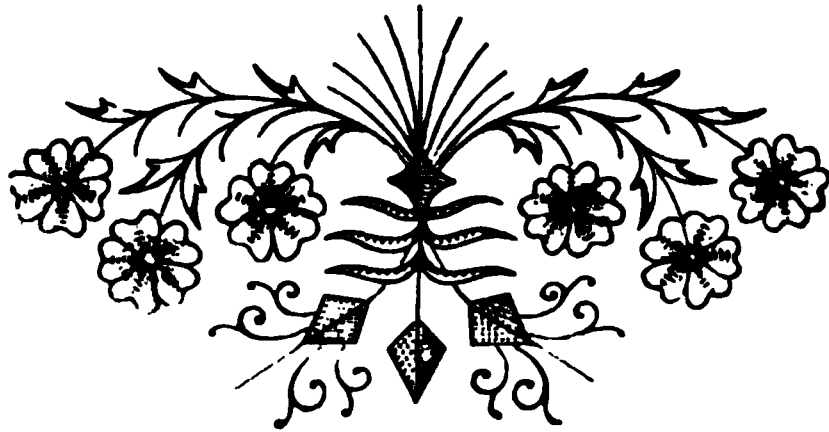


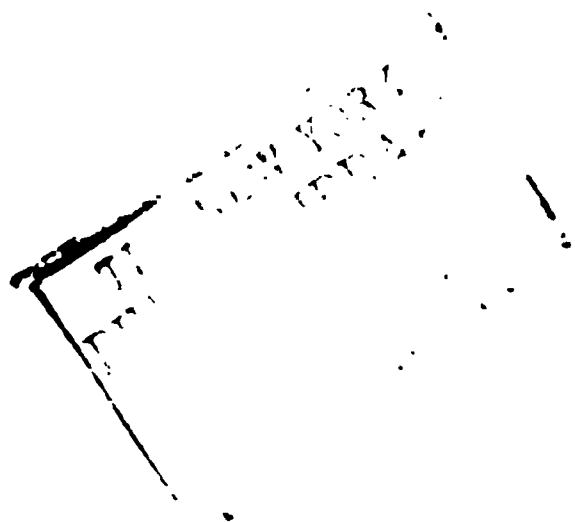




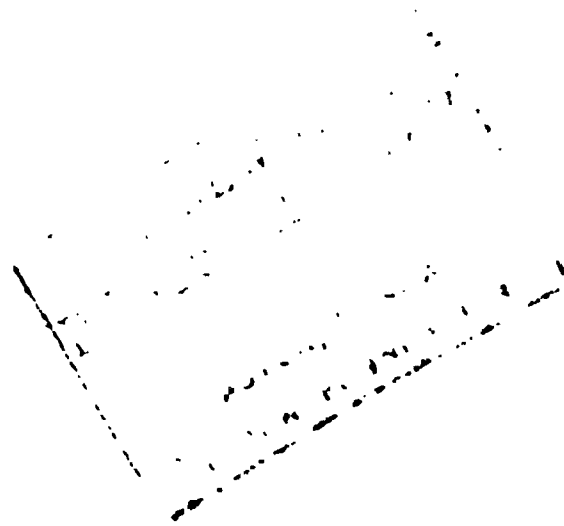


appointed time for the flight, was struck from the church-towers, and no signs of the Italian professor, several amongst that surging multitude began to feel uneasy and somewhat suspicious. The majority, however, believed that Signor Soldino had encountered difficulties, and that the delay was unavoidable, and they stood their ground patiently ; the Signor would doubtless show by noon. The Signor did not show at noon, and he has not shown to this day, but as the gun at Mount Wise announced 12 o'clock at Greenwich, a voice from the midst of the crowd was heard to say, " By Jove ! I believe we are all April fools." And so they were ; it was the 1st of April.

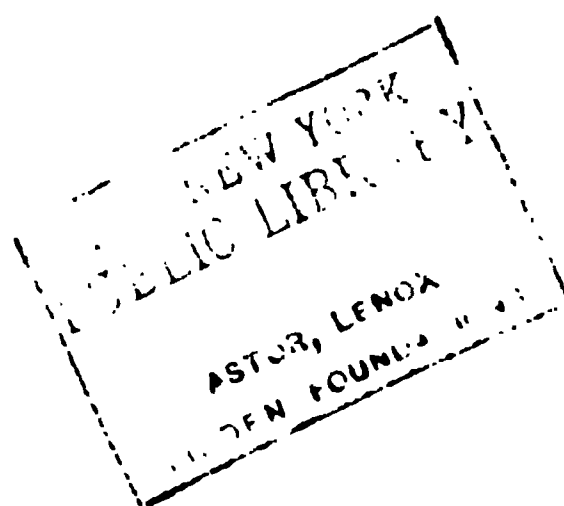




1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



THE NEW YORK
PUBLIC LIBRARY
ASTOR LENOX
TILDEN FOUNDATION



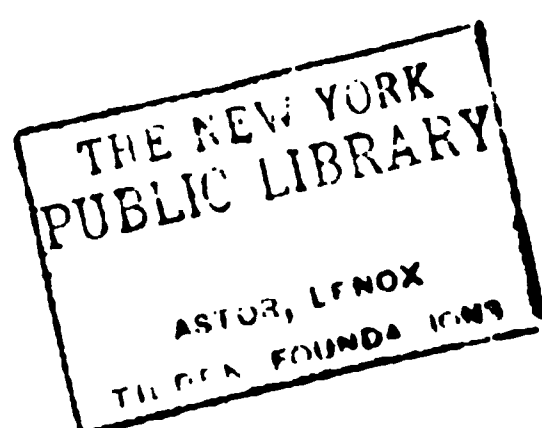
as we talked the matter over ; "and how clever that man Neville is. Mamma and I didn't even look at him yesterday evening ; yet you see Monsieur Ponceau declared he got uneasy, and he ran away this morning. Now Nellie will believe us."

Notwithstanding Clara's prophecy, we had some little difficulties with Miss Meade ; indeed, she even followed ' the Captain's ' trial with undeniable sympathy for him ; but in the following winter chance enabled me to introduce her to Dick Pelham. He fell desperately in love with her, they were married ; and now she may be seen any day on a gallant chesnut in the Phoenix Park, riding beside her husband, that excellent officer's "Hussaws" being quartered at Island Bridge.

I have not since been upon " the war-path " in the capacity of a detective, but should it again be necessary, I do not think I could do better than call to my assistance my little wife Clara, *née* Blyth.

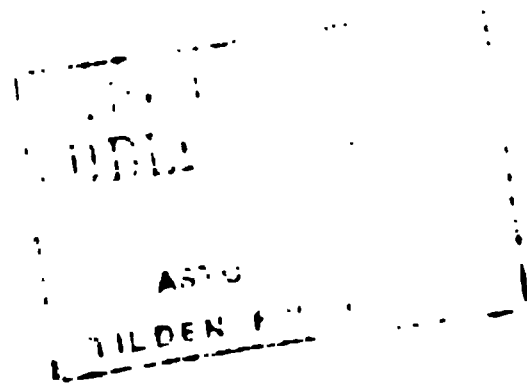
and while climbing up one, was myself grazed in the chest by a ball which made a tremendous noise as it travelled. I picked it up, and found a cone of lead with two pieces of tin fastened to it, and a base of lead like a cheese, the whole about the length of an Enfield bullet. It appeared that the rebels had run short of lead, and thinking that the right thing in the Enfield bullet was its length, had hit upon this curious dodge. Of course this missile, immediately it left the barrel, turned lengthways, making a most infernal noise as it travelled.

(To be continued.)



classic tale has been too often told for me to touch on it.* Suffice it to say, as a bit of delicate colouring it is delightful ; indeed, we prefer it to a companion picture, " Rustchuck " (58), which, however, is very full nevertheless of that sparkling effectiveness which seems to fit this painter so well for depicting those Southern-European and Eastern subjects he loves. And now, reader, with a final glimpse at the Royal Academy, in which our eye rests on a charming bit of statuary, will we bring to a conclusion our pen and pencil sketches of pictures of the period. Seldom, indeed, have we been more struck than by this triumph of plastic art (No. 2,028), which will be found by reference to our final sketch to be a fitting termination to these criticisms.

* Page 1086.



tion if ships of fairly deep draught are to enter the waters. Captain Hyde Parker, of H.M. brig *Pantaloön*, was the first officer who made a survey of the Muselio; then Admiral A. H. Hoskins, in the boats of H.M.S. *Castor*, added to our knowledge. H.M.S. *Lynx* was the first English man-of-war that crossed the bar of the Korgoni, and such knowledge as we now possess of these regions we owe to the survey of Captain F. Skead, R.N., harbour-master of Algoa Bay, in which he was assisted by Lieutenant Suther, R.M.A.

In October last year, Daniel J. Rankin, Esq., M.R.A.S., Ex-Consul of Mozambique, made a capital plan of the Kongoni entrance, showing the light, &c.

Dr. Livingstone always predicted that one day the value of the great Zambesi highway into the most fertile portion of South-East Africa would be acknowledged. Let us hope that it is at hand.



Albu, Miss E. Chapuy, Miss A. Barnett, Miss H. Coveney, &c., and "Funnibone's Fix."

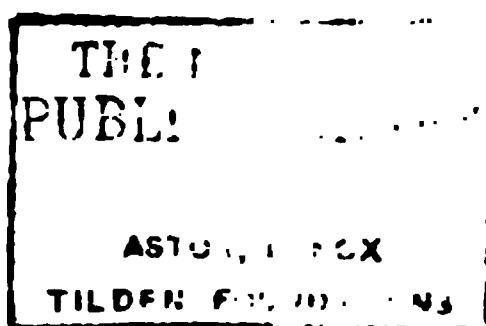
PRINCE OF WALES'S.—"Paul Jones," comic opera, Mr. H. Monkhouse, Mr. H. Ashley, Mr. F. Wyatt, Miss A. Huntington, Miss Phyllis Broughton, Miss Wadman, &c., and "John Smith."

SAVOY.—"The Yeomen of the Guard," comic opera, Mr. G. Grossmith, Mr. R. Temple, Mr. W. H. Denny, Mr. Courtice Pounds, Miss G. Ulmar, Miss J. Bond, Miss R. Brandram, &c., and "Mrs. Jarramie's Genie."

SHAFTESBURY.—"Jim the Penman," drama, Mr. Willard, Mr. Mackintosh, Mr. Herbert, Mr. F. Terry, Lady Monckton, Miss Lindley, Mrs. Brooke, &c.

TERRY'S.—"Sweet Lavender," comedy, Mr. E. Terry, Mr. A. Bishop, Mr. Brandon Thomas, Mr. F. Kerr, Miss Victor, Miss E. Victor, Miss Maude Millett, Miss B. Horlock, &c.

TOOLE'S.—"Artful Cards," comedy, Mr. J. Toole, Mr. J. Billington, Mr. G. Shelton, Miss K. Phillips, Miss Eliza Johnstone, &c., "The Broken Sixpence," and "The Birthplace of Podgers."



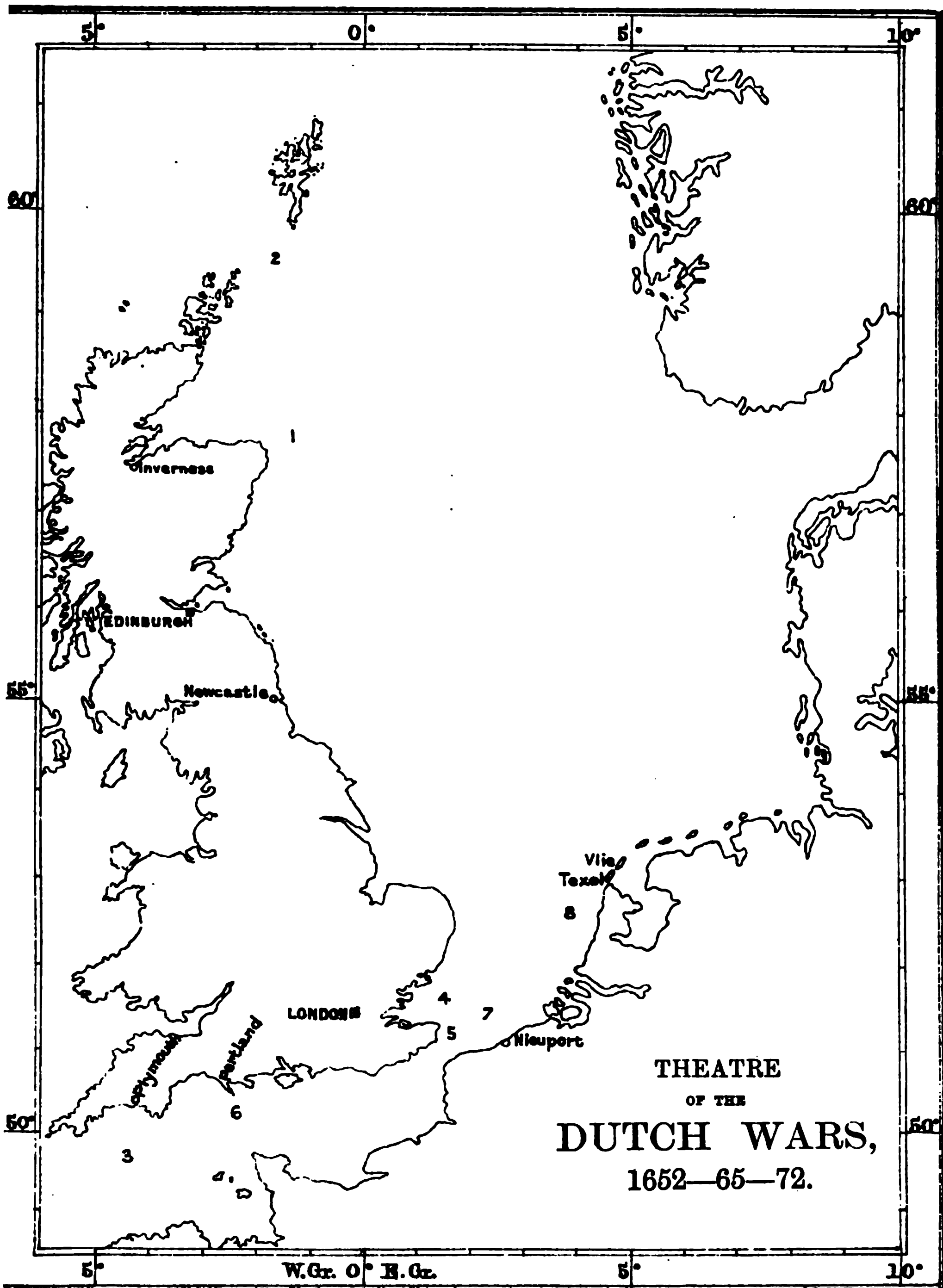
THE ILLUSTRATED
Naval and Military
MAGAZINE.

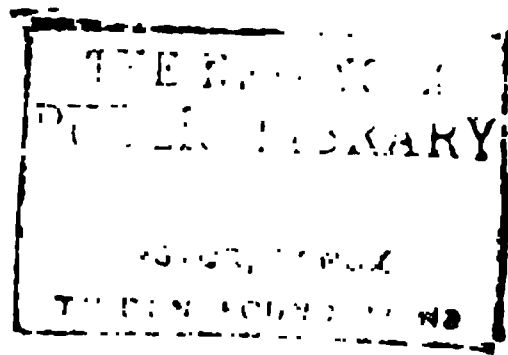
*A Monthly Journal devoted to all subjects connected with
Her Majesty's Land and Sea Forces.*

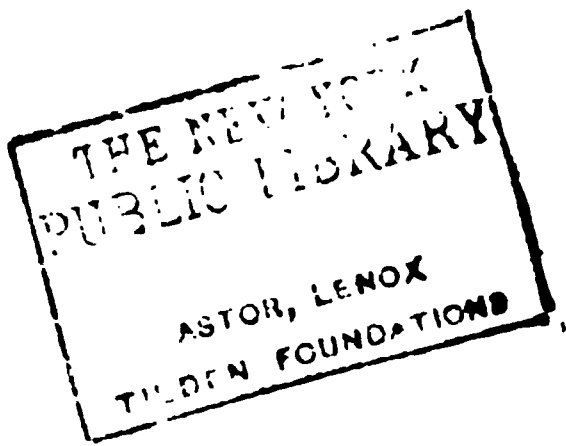
New Series, Vol. II., No. 8.

PRINTED AND PUBLISHED BY
W. H. ALLEN & CO., 18 WATERLOO PLACE, PALL MALL. S.W.

1889.







He then takes four paces to his front, *i.e.* reduces the base to 36 yards, *i.e.* to a range of 900 yards, and repeats the process.

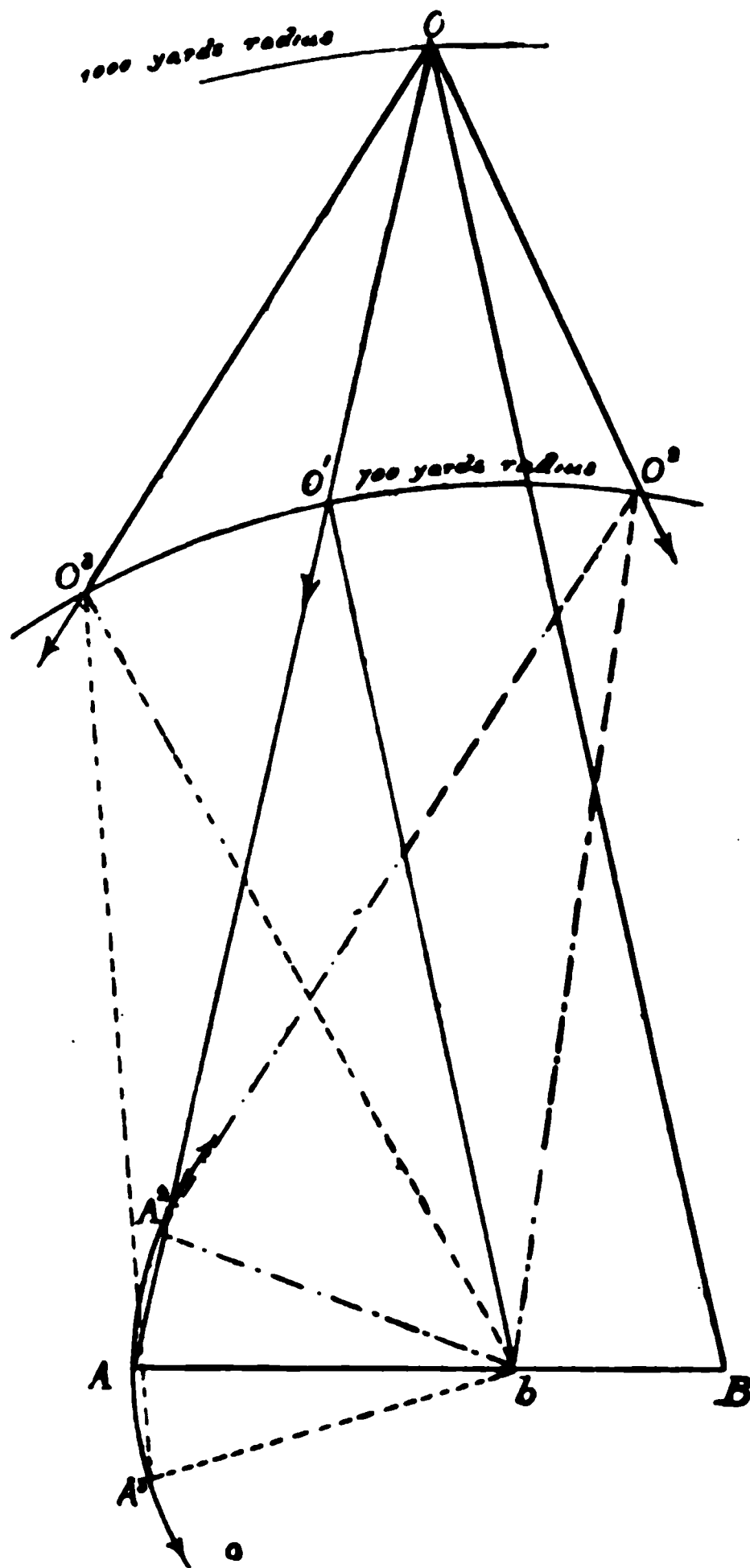


FIG. 5.—Taking the Range of a Moving Object with a view to Opening Fire upon it as soon as it reaches certain definite Ranges.

O = Moving Object.

A and B = Position of Observers (Nos. 2 and 1).

AB = Measured Base, say $\frac{1}{8}$ of 1,000 yards.

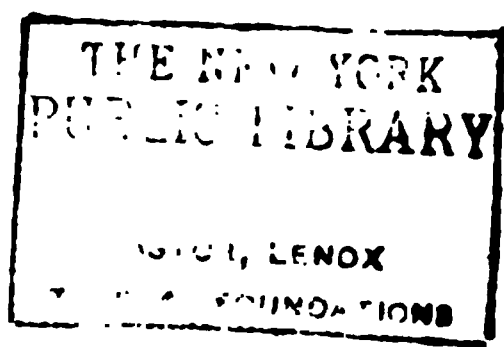
To ascertain when O arrives on the 700 yards radius from *b*:—

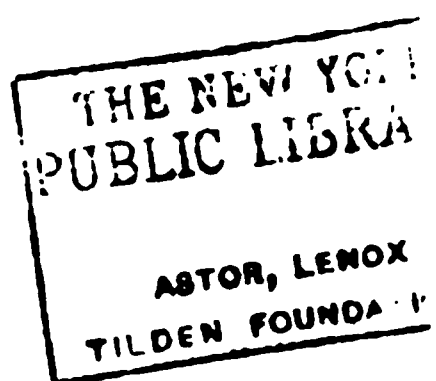
Suppose base *Ab* to be 28 yards (*i.e.* $\frac{1}{8}$ of 700 yards), No. 1 moves in from B to *b*, and remains steady.

No. 2 moves to his right or left, preserving his distance from *b* until he sees O reflected on No. 1 at *b*.

When No. 1 at *b* sees O reflected on No. 2 at A, he gives the word to fire.

NOTE.—If O moves straight along AO on O¹, No. 2 at A remains steady. If O inclines to his left as O², or to his right as O³, No. 2 at A moves to his left at A² or right at A³.





NEW YORK
JAN 10 1900
RECEIVED

of infiltration from the surface, and, what is worse, from the cesspools of a peculiarly filthy quarter of the city. In many parts, it is said, not even this primitive arrangement for the storage of sewage exists, and the barracks and government institutions alone are provided with drains which conduct it out to sea. Artesian wells and the dry earth system are recommended as remedies for these evils.

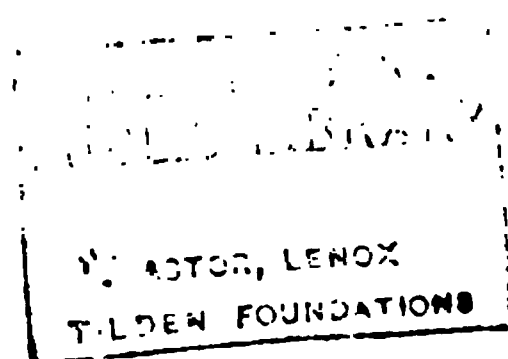
Italian is the vernacular of Pola, as of all Istria; the names of the streets and the suburbs into which the city is divided are in this tongue. It forms part, therefore, of the so-called *Italia Irredenta*.

THE EDITOR.



NEW
PUBLIC LIBRARY

STOR, LENC
FOUNDATION

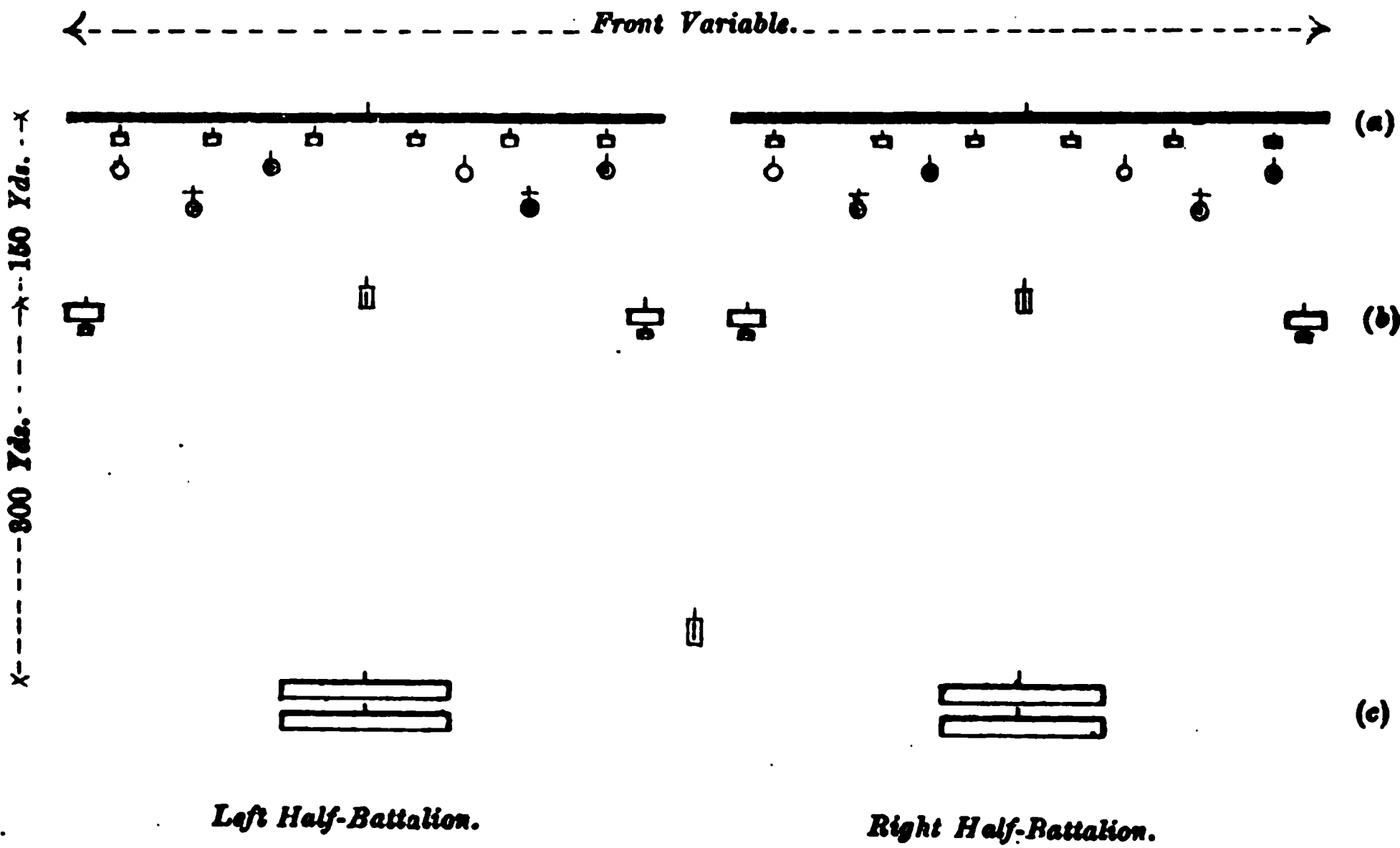


THE
LIBRARY OF THE
UNITED STATES
DEPARTMENT OF
COMMERCE
WASHINGTON, D. C.
20540

PLATE. I.

DEFENCE.

DISTRIBUTION OF A CENTRAL BATTALION IN THE FIRST LINE.



DISTRIBUTION OF A FLANK BATTALION IN THE FIRST LINE.

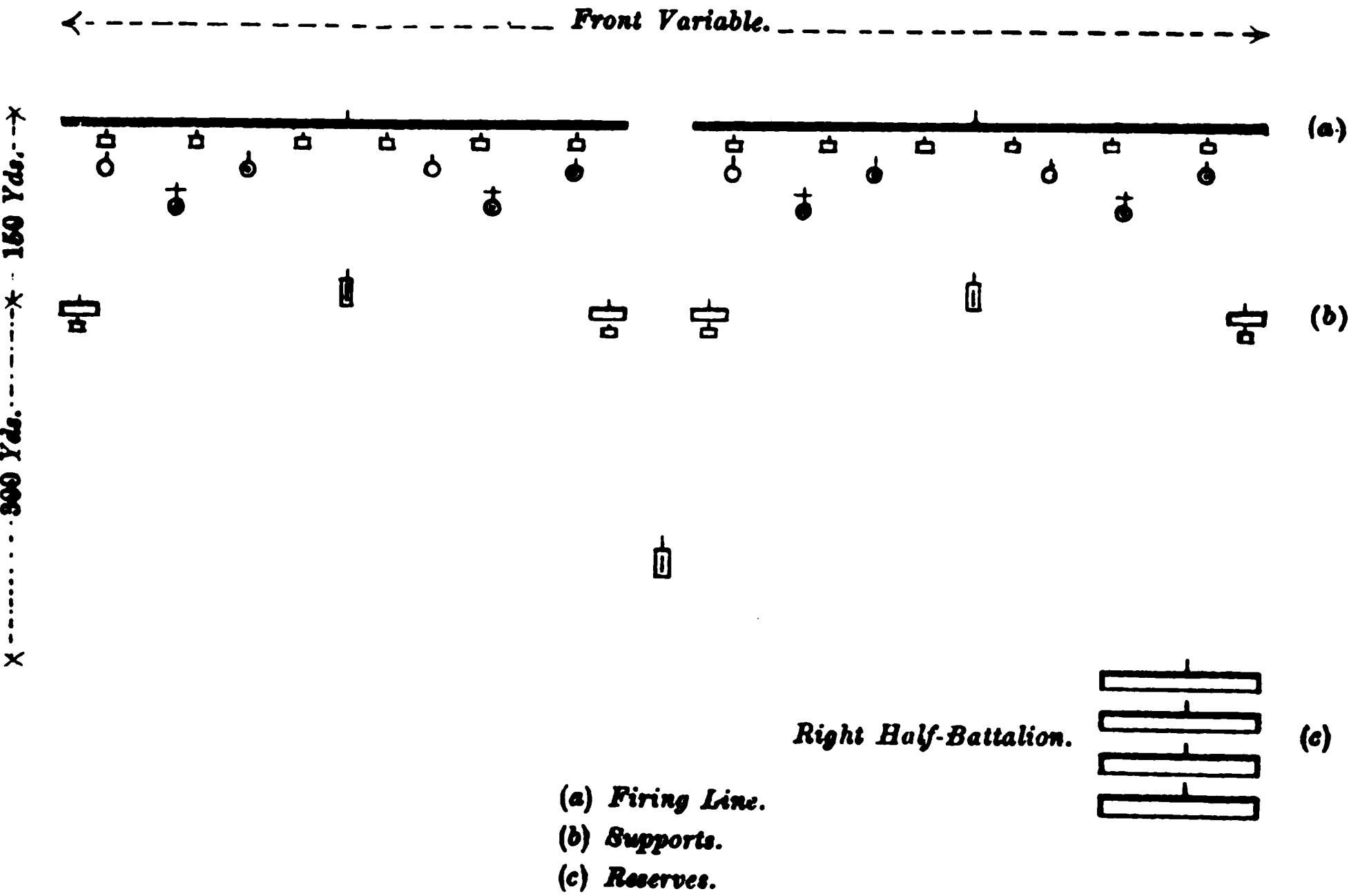


PLATE II.

BATTALION ATTACKING.

SECOND ZONE 1700 TO 800 YARDS.

SECOND STAGE.

1700 to 900 Yards.

EXPLANATION.

SECOND STAGE.

FIRST LINE.

Firing Line extends to one pace between files.

Supports move in line or extend to one pace between files, according to cover procurable, and the fire they come under.

Reserves extend if necessary.

SECOND LINE reduces its distance from First Line.

THIRD LINE proceeds as in First Zone, gradually reducing its distance from Second Line.

FIRST ZONE 3000 TO 1700 YARDS.

FIRST STAGE.

FIRST STAGE.

FIRST LINE.

The two centre sections of the leading Companies advance 200 yards, followed by the two flank sections in support.

The Companies in reserve of First Line follow the supports at 300 yards in Half-Company columns.

SECOND LINE follows at 500 yards' distance from Reserves of First Line.

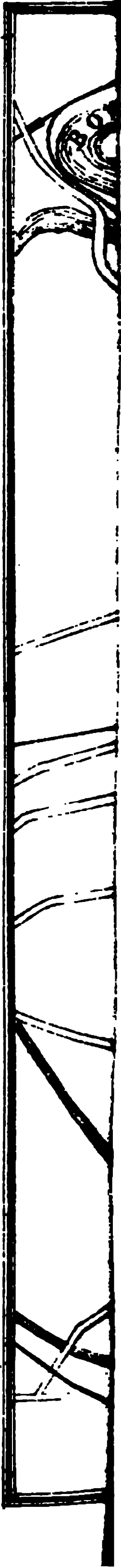
THIRD LINE follows about 1000 yards in rear of Second Line.

degrees to Christian rule. Military discipline on the West European model is, however, repugnant to their habits and the injunctions of their creed. Sixty thousand Greeks inhabit the coast of the Euxine, maintaining themselves by fishing and the pursuit of commerce. On various pretexts they evade military service when possible, and they are said to make indifferent recruits. The same holds true of the descendants of the Jews who emigrated from Spain in the time of Bayazid II. This medley of races is described as living in amity together, and a breach of the peace is of the rarest occurrence in the ranks. A peculiarity of the law is that the father of three children is exempted from military service, so every youth strives to fulfil this condition as soon as possible !

I ever beheld; a blush rose nestled in her dark wavy hair, her penetrating eyes spoke volumes. Pleasant memories of the land of the Cid were recalled by those soft glances: I had not, after all, come to the Spanish Exhibition in vain; when "Is it matches yer want, Sor; or braided fusees, or vestas; or cigarettes, may be, o' the very best quality?" brought me back to myself again, proved my picturesque señorita to be of Irish extraction, shattered my idol, and sent me home "a sadder and a wiser man."

aim and object which is beginning to surround citizen soldiery has come to be felt. Some may cry, "Ichabod, Ichabod," as they muse over the departed glories of Wimbledon Common, the parties of friends from town, the festivities, the flowing bowls, and all that tended to make the Meeting almost what it would be if it were held in Hyde Park. But others, more jealous of Volunteer efficiency and of the dignity of the great Force, which, criticism and contempt notwithstanding, is a mighty factor in the great scheme of Imperial interests, will rejoice at the prospect of the change. The gathering may not be so large, the parties from town so pleasant, nor even the claret-cup so ubiquitous, but Bisley Common will be more of a business meeting than Wimbledon has ever been, and it will be the fault of the National Rifle Association if it does not also surpass Wimbledon in another important respect—that, namely, of being in every detail representative of Volunteer interests as vested in every subscriber, whether he be Metropolitan or North-countryman, or even from Canada or Bengal. The success of their last Meeting has done much to reinstate the Association in provincial favour. It now remains to be seen whether it will take the many hints that have been given and in leaving Wimbledon enter upon a new and, so far as its important duties range, a truly national régime.

A Plan for the Canalization of the Thames and Defence of London.



THE NEW YORK
PUBLIC LIBRARY
ASTOR LENOX
TILDEN FOUNDATION

THE
PUBLIC
ASTOR, LENOX
TILDEN FOUNDATION

7

1

1

